

ABSTRACT OF THE DISCLOSURE

A laser device for producing laser radiation at an eyesafe wavelength from a diode-pumped solid-state laser. The device consists of three stages. The first stage is a laser diode whose output pumps the second stage. The second stage is a guided-wave laser or
5 guided-wave Raman-shifted laser whose output pumps into the upper laser level of the Erbium laser dopant of the third stage. The third stage is an Erbium-doped solid-state crystalline-host laser whose output wavelength is in the eyesafe region. One embodiment of the device is: a cw laser diode with a wavelength in the range 0.9 to 1.0 microns, which pumps a guided-wave laser doped with Ytterbium and Erbium that produces laser
10 output with a wavelength near 1.5 microns, which further pumps an Erbium-doped crystal laser that produces laser output with a wavelength in the eyesafe region near 1.6 microns.